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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/667,671	671 09/23/2003 Hiroshi Takei		242831US0	9100		
	7590 06/05/200 AK, MCCLELLAND 1	EXAMINER				
1940 DUKE ST	REET	ZIMMER, MARC S				
ALEXANDRIA	A, VA 22314		ART UNIT	PAPER NUMBER		
			1796			
			NOTIFICATION DATE	DELIVERY MODE		
			06/05/2008	ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

Office Action Summary		1	Application No.		Applicant(s)				
			10/667,671		TAKEI ET AL.				
		Ī	Examiner		Art Unit				
		ľ	MARC S. ZIMN	1ER	1796				
The N Period for Repl	MAILING DATE of this commur Y	nication appea	ars on the cov	er sheet with the c	orrespondence ac	ddress			
WHICHEVEI - Extensions of ti after SIX (6) M - If NO period for Failure to reply Any reply recei	IED STATUTORY PERIOD F R IS LONGER, FROM THE Name may be available under the provisions ONTHS from the mailing date of this common that is pecified above, the maximum is within the set or extended period for reply yed by the Office later than three months the rem adjustment. See 37 CFR 1.704(b).	MAILING DAT s of 37 CFR 1.136(munication. tatutory period will y will, by statute, ca	(a). In no event, ho apply and will expi ause the application	COMMUNICATION wever, may a reply be tin re SIX (6) MONTHS from n to become ABANDONE	J. nely filed the mailing date of this of (35 U.S.C. § 133).				
Status									
1)⊠ Respo	nsive to communication(s) file	ed on <i>28 Apri</i>	il 2008						
•		2b)⊠ This a		nal					
/—		<i>7</i> —			secution as to the	e merits is			
<i>7</i> —	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of (·								
·		ng in the ann	lication						
	Claim(s) <u>1-8 and 13-19</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
· ·	5) Claim(s) is/are allowed. 6) Claim(s) <u>1-8 and 13-19</u> is/are rejected.								
· ·	s) <u> and 13-19</u> is/are reject s) is/are objected to.	.eu.							
	s) are subject to restri	otion and/or o	olootion roqui	romont					
	s) are subject to restri	ction and/or e	election requi	ement.					
Application Par	pers								
9)∏ The sp	ecification is objected to by th	ne Examiner.							
10)∏ The dra	awing(s) filed on is/are	: a) <u>□</u> accep	oted or b)∏ o	bjected to by the I	Examiner.				
Applica	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replac	ement drawing sheet(s) including	g the correctior	n is required if	the drawing(s) is ob	ected to. See 37 C	FR 1.121(d).			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 3	5 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
2) Notice of Draf 3) Information Di	erences Cited (PTO-892) tsperson's Patent Drawing Review (I sclosure Statement(s) (PTO/SB/08) fail Date	PTO-948)	4) [5) [6) [Interview Summary Paper No(s)/Mail Da Notice of Informal P Other:	nte				

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-8 and 13-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Okami et al., U.S. Patent # 6,074,963 in view of any one or more of Stein et al., U.S. Patent # 5,567,752, Ching, U.S. Patent # 4,368,241, Putzer et al., WO 02/062897, Fujoika et al., U.S. Patent # 6,127,503, and Fujiki et al., U.S. Patent # 5,792,812.

Applicants continue to challenge the Examiner's contention that the claims are unpatentable on the grounds that there is no evidence given in support of his assertion that organosilicon compounds featuring one or more of the functional groups outlined under the description of component (d) are widely recognized as the adhesion promoters of choice for bonding curable silicone compositions that cure by any of the three main mechanisms, i.e. hydrosilylation/addition curing, free radical curing, and condensation curing to a multitude of different surfaces that includes thermoplastic films/sheets. In an earlier correspondence, the Examiner emphasized the following regarding the proper selection of an adhesion promoter:

[&]quot;...the recognized role of an adhesion promoter is to do just that, promote/facilitate adhesion between the polymer matrix and a substrate. It does so by creating formal covalent chemical bonds between available chemical moieties on the substrate and available chemical moieties within the polymer. That is to say, the adhesion promoter contains at least one group that is chemically complimentary to a group found in the polymer matrix and a second group that is chemically complimentary with groups found at the surface of the substrate. Insofar as the prior art polysiloxane is peroxide/hydrosilylation curable, vinyl groups and SiH groups are obvious of substituents that an adhesion promoter could be outfitted with to create bonds with the host polymer."

The Examiner acknowledges, nevertheless, that his position has never been augmented with prior art teachings. Each of the supporting references was chosen because it disclosed not only the intent to prepare integrally bonded articles comprising a layer made up of a comparable crosslinkable polysiloxane and a layer of thermoplastic, but also that the adhesion of said layers is promoted by an organosilicon compound featuring the sane attributes as are the claimed adhesion promoters.

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It will first be reiterated that, although Okami does not expressly disclose the employment of an adhesion promoter, the Examiner is adamant that the insertion of an adhesion promoter to facilitate a more robust bonding interaction between layers would have been obvious insofar as it is well documented that silicone rubbers easily peel away from thermoplastic materials. Because Okami does not teach what are the adhesion promoters known to assist in creating better adhesion between the layers, the skilled artisan would turn to the related prior art to determine what compounds may be used to fulfill this role. Each of the aforementioned references discloses one or more permutations of the claimed adhesion promoter and, in fact, Putzer (pages 4 and 5) and Fujiki (which, not insignificantly, is assigned to the same assignee as is Okami) both describe adhesion promoters corresponding to the particular adhesion promoters contemplated in claim 19.

As to the notion that Applicant has now proven that the added limitation that the intermediate layer is non-porous is supported by the original disclosure, the Examiner has several concerns. First, Applicants admit that there are several products under the TEONEX brand and only now are they saying that one of these in particular, TEONEX

Q51, was used in their experiments. If any of the other films under the TEONEX name are, in fact, porous, than this might represent an issue of some significance since the original disclosure identified the film only as a TEONEX film. Next, the plastic film examined in the 132 Declaration is sputtered prior to having been viewed through a scanning electronic microscope. There is no indication that the intermediate plastic film disclosed in Example 3 of the specification has been subjected to a similar treatment and the Examiner is unclear as to how this would impact the porosity of the film. If it is necessary for the film to undergo sputtering in order to make it non-porous, a point about which the Examiner is unclear, and the Specification has not mentioned a sputtering step, than the Examiner logically would be forced to assume that the intermediate film disclosed in the Specification is not non-porous. As to the probative value of the SEM photographs, the reproductions are quite poor and, in any case, the Examiner is unsure what they are supposed to show. Applicant is requested to (i) provide better reproductions and/or originals if possible, and (ii) describe to the Examiner how precisely they prove the non-porous nature of the film. Applicant must explain to the Examiner how the SEM photographs unequivocally demonstrate that the plastic film being visualized is not porous by any measure including being impermeable to gases.

Of course, Applicant could always consider filing a CIP so as to add the recitation that the intermediate film is non-porous. An accompanying definition of non-porous would also be regarded as quite important.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARC S. ZIMMER whose telephone number is (571)272-1096. The examiner can normally be reached on Monday-Friday 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jim Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

May 31, 2008

/Marc S. Zimmer/ Primary Examiner, Art Unit 1796